

<b>Interview Summary</b>	<b>Application No.</b> 09/880,985	<b>Applicant(s)</b> BARRETT, PETER T.	
	<b>Examiner</b> Clyde H. Jones III	<b>Art Unit</b> 2611	

All participants (applicant, applicant's representative, PTO personnel):

(1) Clyde H. Jones III.

(3) Hai V. Tran.

(2) Rick D. Nydegger.

(4) Wesley C. Rosander.

Date of Interview: 26 August 2005.

Type: a) ☐ Telephonic b) ☐ Video Conference  
c) ☒ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.  
If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: 1 and 28

Identification of prior art discussed: Bruelle and Chiclowski.

Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: \_\_\_\_\_.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

*The proposed amendments to independent claims 1 and 28 appeared to overcome the rejections of record. However, the Examiner will update the search before determining if those claims are allowable.*

*Clyde H Jones III*

*Hai Tran*  
**HAI TRAN**  
**PRIMARY EXAMINER**

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Attached (Not official) - Do Not Send to Applicant

DRAFT

Proposed Amendments – 14531.107

2<sup>nd</sup> Version

1. (Amended) In a system including a television and a video transmission medium, wherein interactive broadcast data such as electronic program guide information, news headlines, sports scores, or other similar kinds of periodically updated information that can be displayed as text simultaneously with other programming is transmitted across the video transmission medium, and wherein the system also includes a management system having a digital processor for processing one or more unique digital signatures that correspond to the interactive broadcast data, and an input device for inputting other digital data that corresponds to user instructions input by a user when searching for particular interactive broadcast data, television is configured to receive the interactive broadcast data, and wherein the interactive broadcast data includes text descriptions, a method for efficiently searching the interactive broadcast data in response to find a string of text input by a user in order to identify the particular interactive broadcast data desired by the user, the method comprising:

using a first function adapted to convert at the management system the interactive broadcast data of the received video transmission into unique binary signatures for the interactive broadcast data, each of the unique binary signatures having a fixed number of bytes, and storing the unique binary signatures at the management system;

receiving binary signatures of the interactive broadcast data text descriptions;

inputting from the input device to the management system receiving a user-entered text string from an input device;

using a second function that is different from the first function, and that is adapted to converting the user-entered text string into a unique binary signature that is stored at the management system, the unique binary signature of the user-entered text string have the same number of fixed bytes as the unique binary signature converted by the first function for the interactive broadcast data;

retrieving and comparing the unique binary signatures of the interactive broadcast data text descriptions to the unique binary signature of the user-entered text string; and

~~determining~~ based on the comparison, the management system identifying one and only one item of interactive broadcast data that matches the input text string. otherwise the management system identifying no match~~if the user entered text string is included in any of the interactive broadcast data text descriptions.~~

28. ~~(Amended) A computer program product for implementing, i~~In a system including a television and a video transmission medium, wherein interactive broadcast data such as electronic program guide information, news headlines, sports scores, or other similar kinds of periodically updated information that can be displayed as text simultaneously with other programming is transmitted across the video transmission medium, and wherein the system also includes a management system having a digital processor for processing one or more unique digital signatures that correspond to the interactive broadcast data, and an input device for inputting other digital data that corresponds to user instructions input by a user when searching for particular interactive broadcast data, a computer program product for implementing a method for efficiently searching the interactive broadcast data in response to a string of text input by a user in order to identify the particular interactive broadcast data desired by the user, a set-top box, and a video transmission medium, wherein interactive broadcast data is transmitted across the video transmission medium, wherein the television is configured to receive the interactive broadcast data, and wherein the interactive broadcast data includes a text description of the subject matter, a method for efficiently searching interactive broadcast data to find a string of text, the computer program product comprising:

a computer-readable medium carrying computer-readable instructions, that when executed at the processor of the management system~~set-top box~~, cause the management system~~set-top box~~ to perform the following:

use a first function adapted to convert at the management system the interactive broadcast data of the received video transmission into unique binary signatures for the interactive broadcast data, each of the unique binary signatures having a fixed number of bytes, and storing the unique binary signatures at the management system;

~~receive binary signatures of the interactive broadcast data text descriptions;~~

input from the input device to the management system~~receive a user-entered text string from an input device;~~

use a second function that is different from the first function, and that is adapted to convert the user-entered text string into a unique binary signature that is stored at the management system, the unique binary signature of the user-entered text string have the same number of fixed bytes as the unique binary signature converted by the first function for the interactive broadcast data;

retrieve and compare the unique binary signatures of the interactive broadcast data text descriptions to the unique binary signature of the user-entered text string; and

determine-based on the comparison, the management system identifying one and only one item of interactive broadcast data that matches the input text string, otherwise the management system identifying no matchif the user-entered text string is included in any of the interactive broadcast data text descriptions.